

TABLE 1 - 9/7/11
ROUND 3 SAMPLE ANALYTICAL REQUIREMENTS SUMMARY
CHESAPEAKE ATGAS 2H SITE
200 LEROY HILL, LEROY TOWNSHIP, BRADFORD COUNTY, PENNSYLVANIA 17724

Parameter/Method	Matrix	Field Samples	Bkgd	QC Sample Summary					Total Field and QA/QC Analyses (not including MS/MSD)
				Dup	Trip ¹ Blanks	Rinsate ^{1/2} Blanks	Field ¹ Blanks	MS/MSD	
Alkalinity (SM 2320B)	drinking water	2	0	1	0	0	1	0	4
Conductivity, Specific Conductance (SM 2510B)	drinking water	2	0	1	0	0	1	0	4
Solids, Total Dissolved (TDS) (SM 2540C)	drinking water	2	0	1	0	0	1	0	4
Solids, Total Suspended (TSS) (SM 2540D)	drinking water	2	0	1	0	0	1	0	4
Phosphate, Total (SM 4500 P F)	drinking water	2	0	1	0	0	1	0	4
Turbidity, Nephelometric (180.1)	drinking water	2	0	1	0	0	1	0	4
Oil & Grease (HEM) (1664A)	drinking water	2	0	1	0	0	1	0	4
Arsenic by 6020A	drinking water	1	0	0*	0	0	0	0	1
Metals, Single Analyte (per Metal) (6020A)	drinking water	2	0	1	0	0	1	1	4
Mercury (CVAA) (7470A)	drinking water	2	0	1	0	0	1	1	4
Hardness, Ca & Mg, Al, Fe, K, Na (6010C)	drinking water	2	0	1	0	0	1	0	4
TPH DRO C10-C28 (8015B)	drinking water	2	0	1	0	0	1	0	4
Dissolved Gases, Methane, Ethane, & Ethene (RSK-175)	drinking water	2	0	1	0	0	1	0	4
Anions, Chloride, Bromide, Sulfate (300.0)	drinking water	2	0	1	0	0	1	0	4
Methylene Blue Active Substances (MBAS) (SM 5540C)	drinking water	2	0	1	0	0	1	0	4
Total U, Sr, Li by ICP/MS (6020A)	drinking water	2	0	1	0	0	1	0	4
Gross Alpha/Beta (900.0)	drinking water	3	0	1	0	0	1	0	5
Gamma Spec (K-40, Ra-226, Ra-228, Th-232, Th-234) (901.1)	drinking water	3	0	1	0	0	1	0	5
Ra-226 (903.1)	drinking water	3	0	1	0	0	1	0	5
Ra-228 (Brooks and Blanchard Method)	drinking water	3	0	1	0	0	1	0	5

* Applicable duplicate and MS/MSD included in analysis line for Metals (6020A).
This QA sample will be an aqueous matrix.
2. Sample to be collected only if non-dedicated sampling equipment is used.

Notes: 1.

Key:

Bkgd = Background

ECD = Electron capture detector

MS/MSD = Matrix Spike/Matrix Spike Duplicate

CRQL = Contract-Required Quantitation limit.

HRGC = High Resolution Gas Chromatography Sr = Strontium

Dup = Duplicate